



# Product Specification Sheet

## *Chromogenic Coliform Agar*

Intended Usage: A chromogenic medium for the detection and enumeration of coliforms in food and water samples.

For professional use only.

**PO5428J**

**Revision Date: 03 February 2017**

**Thermo Scientific™ Chromogenic Coliform Agar**

Form of Product	Poured plate
Storage	6 – 12°C, dark
Filling weight	13 g ± 5 %
Packaging	10 plates wrapped in film
pH	6.8 ± 0.2
Colour	Light ivory, transparent
Shelf life	8 weeks
Intended Usage	A chromogenic medium for the detection and enumeration of coliforms in food and water samples. For professional use only.
Technique	Depends on the different methods. For information see <b>DIN EN ISO 9308-1</b> .

Typical formulation*	g/l
Casein Peptone	1.0
Yeast Extract	2.0
Sodium chloride	5.0
Sodium dihydrogen phosphate x 2H <sub>2</sub> O	2.2
Di-sodium hydrogen phosphate	2.7
Sodium pyrovate	1.0
Sorbitol	1.0
Tryptophane	1.0
Tergitol 7	0.15
6-Chloro-3-indoxyl-β-D-galactopyronoside	0.2
5-Bromo-4-chloro-3-indoxyl-β-D-glucoronic acid	0.1
Isopropyl-β-D-thiogalactopyranoside (IPTG)	0.1
Agar	12.5

\*Adjusted as required to meet performance standards.

## Quality Control

- Control for general characteristics, labeling and printing.
- Control for sterility  
> 72 h @ 25 ± 1°C, aerobic  
> 72 h @ 36 ± 1°C, aerobic
- Biological control  
Inoculum size for productivity: 50 – 120 cfu  
Inoculum size for selectivity: 10<sup>4</sup> – 10<sup>5</sup> cfu

Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic, membrane filtration

Control Strain	Growth
<i>Escherichia coli</i> ATCC® 8739™ (WDCM 00012)	0.5 – 2 mm, dark blue to violet colonies.
<i>Enterobacter aerogenes</i> ATCC® 13048™ (WDCM 00175)	0.5 – 2 mm, pink to red colonies.
<i>Citrobacter freundii</i> ATCC® 43864™ (WDCM 00006)	0.5 – 2 mm, pink to red colonies.
<i>Pseudomonas aeruginosa</i> ATCC® 10145™ (WDCM 00024)	Good growth, colourless cream colonies.
<i>Enterococcus faecalis</i> ATCC® 29212™ (WDCM 00087)	No growth.

Tested in accordance with ISO 11133:2014.

The formulation of this medium conforms to DIN EN ISO 9308-1.



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